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19	33	(link\$3 adj list same linear\$6) and (delet\$3 with (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:57
20	16	(link\$3 adj list same linear\$6) and (delet\$3 near3 (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:02
21	557	(link\$3 adj list) and (delet\$3 near3 (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:02
22	251	(link\$3 adj list) and (delet\$3 near3 (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:12
23	156	(link\$3 adj list) and (delet\$3 near (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:03
24	9	link\$3 adj list same (delet\$3 near (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:12
25	2398	(707/8,100,103.R).CCLS.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:12
26	245	((707/8,100,103.R).CCLS.) and (link\$3 adj list)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:12
27	23	((707/8,100,103.R).CCLS.) and (link\$3 adj list)) and (delet\$3 near3 (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:13

L Number	Hits	Search Text	DB	Time stamp
2	5	(compare adj2 swap adj instruction).ti.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:05
3	8	4584640.URPN.	USPAT	2003/09/25 16:00
4	5	(compar\$3 adj2 swap\$4 adj instruction).ti.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:06
5	24	(compar\$3 adj2 swap\$4).ti.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:08
6	6	(compar\$3 with swap\$4 with data).ti.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:11
8	6	"366" adj "585"	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:11
9	13	"366585"	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:12
10	2	("5081572").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:31
11	8562	link\$3 adj list	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:03
12	275	link\$3 adj list same linear\$6	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:32
13	2	link\$3 adj list same linear\$6 same ((non adj block\$3) or (lock adj free))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:39
14	18	link\$3 adj list same linear\$6 and ((non adj block\$3) or (lock adj free))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:52
15	4	link\$3 adj list same linear\$6 and (compar\$3 near2 swap\$4)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:50

16	12	link\$3 adj list same ((non adj block\$3) or (lock adj free)) and (compar\$3 near2 swap\$4)	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT	2003/09/25 16:52
17	6	(US-4584640-\$ or US-6178473-\$ or US-5081572-\$ or US-6560619-\$ or US-6223335-\$ or US-6581063-\$).did.		2003/09/25 16:55
18	3	((US-4584640-\$ or US-6178473-\$ or US-5081572-\$ or US-6560619-\$ or US-6223335-\$ or US-6581063-\$).did.) and (delet\$3 with (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:57
19	33	(link\$3 adj list same linear\$6) and (delet\$3 with (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 16:57
20	16	(link\$3 adj list same linear\$6) and (delet\$3 near3 (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:02
21	557	(link\$3 adj list) and (delet\$3 near3 (mark\$3 or point\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:02
22	251	(link\$3 adj list) and (delet\$3 near3 (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:03
23	156	(link\$3 adj list) and (delet\$3 near (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:03
24	9	link\$3 adj list same (delet\$3 near (mark\$3))	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/09/25 17:03



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styles of synchronization (e.g. operations on wait-free and **lock-free** objects, read-write **locks**, priority

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or Atomic Exchange. We then evaluate several **locking** strategies that can be used to synthesize a

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that convert sequential transactions into **lock-free** or wait-free ones. In contrast to some  
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or shared objects such as shared stack and the **linked list** [6]and also most of the computations on  
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